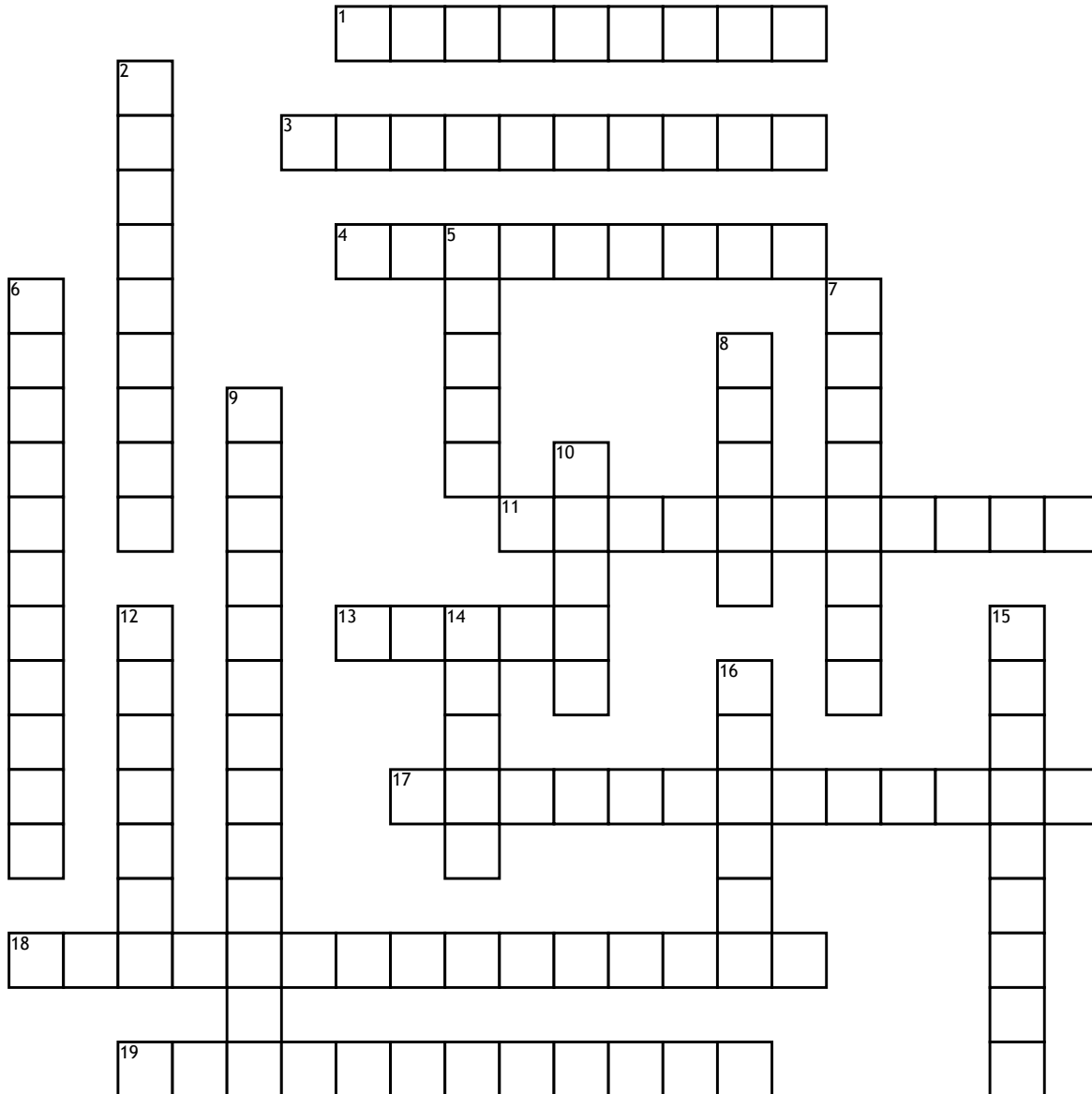


Cognizance



Across

1. SI unit of activity
3. Change in direction of a propagating wave due to change in transmission medium
4. Component in a circuit that blocks the flow of unidirectional current
11. Phase transition of a substance directly from the solid to the gas phase
13. SI unit of magnetic flux
17. Change in frequency of a wave for an observer who is moving relative to the wave source

18. Fluctuations in path length of alpha particles having same energy
19. The combination of two or more electromagnetic waveforms to form a resultant wave

Down

2. Resistance of a fluid to gradual deformation by shear stress or tensile stress
5. Rate at which energy is transferred, used or transformed
6. Highly doped semiconductor diode capable of very fast operation
7. Ability or tendency of sth to float in a fluid

8. Basic unit of quantum information

9. Current that flows in one direction
10. Fundamental constituent of hadrons
12. Black hole formed from radiation Kugelblitz Particles with half integral spin
14. Particles with integral spin
15. Perfect absorber and radiator of energy
16. Relative change in shape or size of an object due to externally applied force